



RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/712,533
Source: OIDE
Date Processed by STIC: 8-10-04

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
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IFWO

RAW SEQUENCE LISTING

DATE: 08/10/2004

PATENT APPLICATION: US/10/712,533

TIME: 11:50:29

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Output Set: N:\CRF4\08102004\J712533.raw

5 <110> APPLICANT: Institut Pasteur

9 <120> TITLE OF INVENTION: ANTIGENES DE PLASMODIUM FALCIPARUM ET LEURS APPLICATIONS
VACCINALES ET DIAGNOSTIQUES

10

14 <130> FILE REFERENCE: 000466-0035

C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/712,533

C--> 18 <141> CURRENT FILING DATE: 2003-11-14

18 <150> PRIOR APPLICATION NUMBER: CA 2,345,206

20 <151> PRIOR FILING DATE: 2001-05-16

24 <150> PRIOR APPLICATION NUMBER: CA 2,346,968

26 <151> PRIOR FILING DATE: 2001-05-23

30 <160> NUMBER OF SEQ ID NOS: 18

34 <170> SOFTWARE: PatentIn version 3.1

38 <210> SEQ ID NO: 1

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42 <212> TYPE: DNA

44 <213> ORGANISM: Plasmodium falciparum

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53 aagtgtataa aaaatgttat aaaaagtgtat aataaaaaatg ttataaaaaag tgataataaa 180

55 aatgtggaat tc 192

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62 <212> TYPE: DNA

64 <213> ORGANISM: Plasmodium falciparum

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73 agagaagatc ctattgcttc tgaaactgaa gttgttaagt aacctgagga ttcaagtagg 180

75 ataatgacta cagaagttcc aagtactact gtaaaacccc ctgatgaaaa acgatctgaa 240

77 gaagtaggag aaaaagaagc taaagaaatt aaagtagaac ctgttgtagc aagagccatt 300

79 ggagaaccaa tggaaaattc tgtgagcgta cagtccectc ctaaggaatt c 351

82 <210> SEQ ID NO: 3

84 <211> LENGTH: 64

86 <212> TYPE: PRT

88 <213> ORGANISM: Plasmodium falciparum

92 <400> SEQUENCE: 3

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95 1 5 10 15

98 Asp Lys Glu Lys Asn Val Ile Lys Ser Asp Asn Lys Asn Val Ile Lys

99 20 25 30

102 Ser Asp Asn Lys Asn Asp Tyr Lys Lys Cys Asn Lys Asn Val Ile Lys

103 35 40 45

*please use english
for US. applications*

**Does Not Comply
Corrected Diskette Needed**

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Input Set : A:\PTO.LM.txt

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127      20                      25                      30
130 Asp Asn Gln Ser Asn Val Leu Asn Arg Glu Asp Pro Ile Ala Ser Glu
131      35                      40                      45
134 Thr Glu Val Val Ser Glu Pro Glu Asp Ser Ser Arg Ile Met Thr Thr
135      50                      55                      60
138 Glu Val Pro Ser Thr Thr Val Lys Pro Pro Asp Glu Lys Arg Ser Glu
139 65                      70                      75                      80
142 Glu Val Gly Glu Lys Glu Ala Lys Glu Ile Lys Val Glu Pro Val Val
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Input Set : A:\PTO.LM.txt

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243 gat tgg ata aac cag att ttt aaa aag aat tct tta caa tgt gat tta 96
244 Asp Trp Ile Asn Gln Ile Phe Lys Lys Asn Ser Leu Gln Cys Asp Leu
245 20 25 30
247 tat ttt ttg gat gac aac aaa gaa aaa gat gtt agt aag aaa aga aaa 144
248 Tyr Phe Leu Asp Asp Asn Lys Glu Lys Asp Val Ser Lys Lys Arg Lys
249 35 40 45
251 gct caa ttg aag gat gaa tat gat aat ata tca agg agc aaa gaa aat 192
252 Ala Gln Leu Lys Asp Glu Tyr Asp Asn Ile Ser Arg Ser Lys Glu Asn
253 50 55 60
255 att aat aat tcc aaa aaa ata aaa aat gaa tta agt ata aaa gat aat 240
256 Ile Asn Asn Ser Lys Lys Ile Lys Asn Glu Leu Ser Ile Lys Asp Asn
257 65 70 75 80
259 atg cac gat tac ata tat gat gat cgt atc tac aat aat gat aaa gag 288
260 Met His Asp Tyr Ile Tyr Asp Asp Arg Ile Tyr Asn Asn Asp Lys Glu
261 85 90 95
263 aaa aat gtt ata aaa agt gat aat aaa aat gtt ata aaa agt gat aat 336
264 Lys Asn Val Ile Lys Ser Asp Asn Lys Asn Val Ile Lys Ser Asp Asn
265 100 105 110
267 aaa aat gat tat aaa aag tgt aat aaa aat gtt ata aaa agt gat aat 384
268 Lys Asn Asp Tyr Lys Lys Cys Asn Lys Asn Val Ile Lys Ser Asp Asn
269 115 120 125
271 aaa aat gtt ata aaa agt gat aat aaa aat gtt ata aaa agt gat aat 432
272 Lys Asn Val Ile Lys Ser Asp Asn Lys Asn Val Ile Lys Ser Asp Asn
273 130 135 140
275 aaa aat gtt ata aaa agt gat tat aaa agt gat gat aga aat gct tgt 480
276 Lys Asn Val Ile Lys Ser Asp Tyr Lys Ser Asp Asp Arg Asn Ala Cys
277 145 150 155 160
279 gat att tat aaa agt aat aaa aaa aat gtt cct gat aat tgc cat ata 528
280 Asp Ile Tyr Lys Ser Asn Lys Lys Asn Val Pro Asp Asn Cys His Ile
281 165 170 175
283 tat gat gat aat agt tca gtt gaa aat tta gat gga aaa aat aaa tta 576
284 Tyr Asp Asp Asn Ser Ser Val Glu Asn Leu Asp Gly Lys Asn Lys Leu
285 180 185 190
287 aat aat ata agg aac ata cat aat gat aac tca tct tca tgc gat ata 624
288 Asn Asn Ile Arg Asn Ile His Asn Asp Asn Ser Ser Ser Cys Asp Ile

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292	Ser Asp Ile Lys Ser Glu Asp Glu Tyr Ile Glu Pro Tyr Glu Lys Lys			
293	210 215 220			
295	aat gaa gaa aat ata aat gaa tat aag aat aag aaa aat ata gcc aat	720		
296	Asn Glu Glu Asn Ile Asn Glu Tyr Lys Asn Lys Lys Asn Ile Ala Asn			
297	225 230 235 240			
299	gaa aat ata aaa gaa gga aag agt tca att tat aat gat gaa cat aat	768		
300	Glu Asn Ile Lys Glu Gly Lys Ser Ser Ile Tyr Asn Asp Glu His Asn			
301	245 250 255			
303	tat aat tca tta tta tat aat tct tgt aat ggt gaa ata agt aag atc	816		
304	Tyr Asn Ser Leu Leu Tyr Asn Ser Cys Asn Gly Glu Ile Ser Lys Ile			
305	260 265 270			
307	aac aaa ata agt agt cat aat aat att gat aat aat atg gat aat tat	864		
308	Asn Lys Ile Ser Ser His Asn Asn Ile Asp Asn Asn Met Asp Asn Tyr			
309	275 280 285			
311	aat acg ttt gca aat gtg aat aat ttt ata ata tat tcc tca gat gat	912		
312	Asn Thr Phe Ala Asn Val Asn Asn Phe Ile Ile Tyr Ser Ser Asp Asp			
313	290 295 300			
315	gaa gat aat ata tca aat tat tat aat ggt aaa gac gta tta aat gat	960		
316	Glu Asp Asn Ile Ser Asn Tyr Tyr Asn Gly Lys Asp Val Leu Asn Asp			
317	305 310 315 320			
319	gag att atg ttc cct ata aaa ttt aat ttt gaa aaa tta aaa aaa aat	1008		
320	Glu Ile Met Phe Pro Ile Lys Phe Asn Phe Glu Lys Leu Lys Lys Asn			
321	325 330 335			
323	att tat gta ata gag cat ata gac aaa ata tat tat gat aca ttt tta	1056		
324	Ile Tyr Val Ile Glu His Ile Asp Lys Ile Tyr Tyr Asp Thr Phe Leu			
325	340 345 350			
327	aat aaa aat cca agt gaa aaa agt gtt ttt atg aat gat gaa tct act	1104		
328	Asn Lys Asn Pro Ser Glu Lys Ser Val Phe Met Asn Asp Glu Ser Thr			
329	355 360 365			
331	ggt tat ttg aaa aat gat gtg aat gac aaa tgt gtt gtt gat aat ata	1152		
332	Gly Tyr Leu Lys Asn Asp Val Asn Asp Lys Cys Val Val Asp Asn Ile			
333	370 375 380			
335	aat gtt att aat cct tct agt gtg aat acg ttg agt aat att tca aat	1200		
336	Asn Val Ile Asn Pro Ser Ser Val Asn Thr Leu Ser Asn Ile Ser Asn			
337	385 390 395 400			
339	att agg aat gaa aaa ata gaa aat aat aat aag aat gaa aaa tta ata	1248		
340	Ile Arg Asn Glu Lys Ile Glu Asn Asn Asn Lys Asn Glu Lys Leu Ile			
341	405 410 415			
343	aaa tca tat cct aca caa tca aaa aat gtt atg agt aca ttt tcc ttt	1296		
344	Lys Ser Tyr Pro Thr Gln Ser Lys Asn Val Met Ser Thr Phe Ser Phe			
345	420 425 430			
347	tgg aat att gaa aag gag aca ttt ata aca aaa cct ttg tat gca caa	1344		
348	Trp Asn Ile Glu Lys Glu Thr Phe Ile Thr Lys Pro Leu Tyr Ala Gln			
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352	Asn Leu Arg Lys Lys Gln Phe Ser Leu Leu Asp Glu Ser Glu Glu Met			
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357 465                      470                      475                      480
359 cat tta tta tat gta atg agt caa gtt gct tct cga tcc ttt ttt gat      1488
360 His Leu Leu Tyr Val Met Ser Gln Val Ala Ser Arg Ser Phe Phe Asp
361                      485                      490                      495
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385                      20                      25                      30
388 Tyr Phe Leu Asp Asp Asn Lys Glu Lys Asp Val Ser Lys Lys Arg Lys
389                      35                      40                      45
392 Ala Gln Leu Lys Asp Glu Tyr Asp Asn Ile Ser Arg Ser Lys Glu Asn
393                      50                      55                      60
396 Ile Asn Asn Ser Lys Lys Ile Lys Asn Glu Leu Ser Ile Lys Asp Asn
397 65                      70                      75                      80
400 Met His Asp Tyr Ile Tyr Asp Asp Arg Ile Tyr Asn Asn Asp Lys Glu
401                      85                      90                      95
404 Lys Asn Val Ile Lys Ser Asp Asn Lys Asn Val Ile Lys Ser Asp Asn
405                      100                     105                     110
408 Lys Asn Asp Tyr Lys Lys Cys Asn Lys Asn Val Ile Lys Ser Asp Asn
409                      115                     120                     125
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413                      130                     135                     140
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417 145                     150                     155                     160
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424 Tyr Asp Asp Asn Ser Ser Val Glu Asn Leu Asp Gly Lys Asn Lys Leu
425                      180                     185                     190
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437 225                     230                     235                     240
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444 Tyr Asn Ser Leu Leu Tyr Asn Ser Cys Asn Gly Glu Ile Ser Lys Ile
445                      260                     265                     270
448 Asn Lys Ile Ser Ser His Asn Asn Ile Asp Asn Asn Met Asp Asn Tyr

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VERIFICATION SUMMARY

DATE: 08/10/2004

PATENT APPLICATION: US/10/712,533

TIME: 11:50:30

Input Set : A:\PTO.LM.txt

Output Set: N:\CRF4\08102004\J712533.raw

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L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:538 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:524
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